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SC4 Data Architecture Preliminary Work Item

Progress report
WG10 Plenary, 2000-10-14

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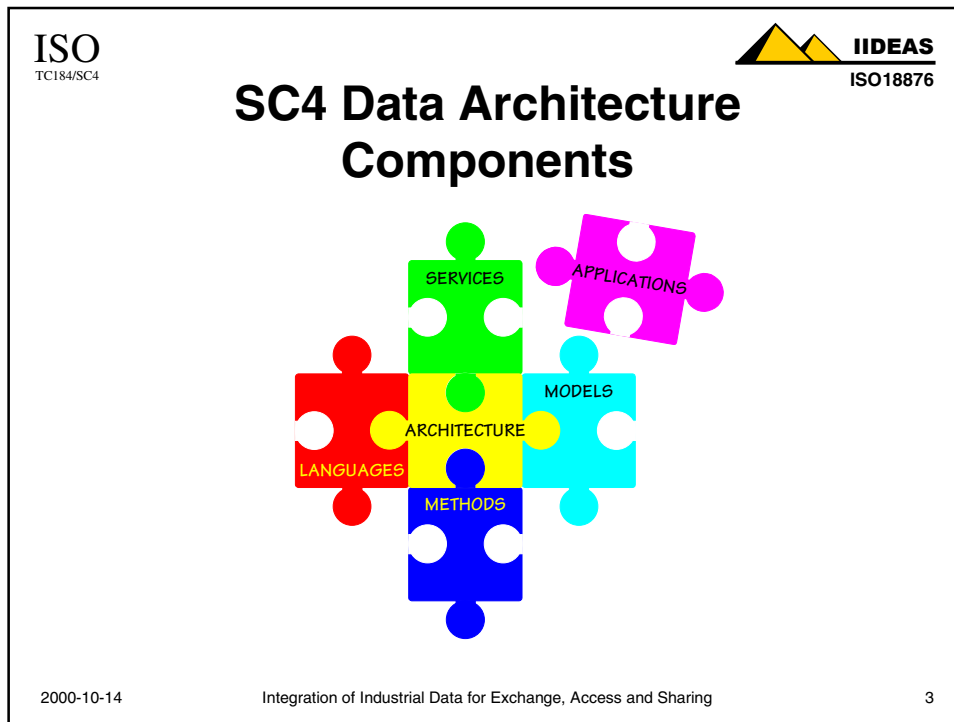


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Background

- SC4 Data Architecture PWI initiated 1997
- Regular technical meetings
 - liaison with other WG10 activities
- Initial NWIs proposed and approved as ISO 18876-1 and -2
- Other PWI activities continue
 - May lead to further NWIPs

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PWI activities

- Languages
 - Input to EXPRESS ed.3
 - Requirements on EXPRESS-X
 - both of these addressed through CD ballot comments
 - Development of EXIST
 - Evaluation of KIF
- Services
 - Initial “headlines” identified
- Models
 - Progress on an Integration Model defined in EXPRESS

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Services

- Providing persistent storage of instances of a model
- Providing facilities to create, read, update, and delete instances of a model
- Providing capabilities to merge different collections of instances of a model
- Providing capabilities to migrate data from one model to another
- Providing capabilities to view instances of one model according to another



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Integration model in EXPRESS

- Discussed at the WG10 meeting in Winter Park
 - based on earlier PWI work (WG10 N220), ISO/CD 15926-2 (EPISTLE Core Model v3.1)
 - revisions driven by mapping experiments, open issues against ISO/CD 15926-2
- Still very much “work in progress” ...
- ... However, ISO/DIS 15926-2 hoped to be sufficient as the basis for an SC4 integration model, defined in EXPRESS

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SC4 Data Architecture PWI - Plans

- This week:
 - EXIST presentation/demonstration/discussion:
Thursday 1530-1700
- Continued liaison with/contribution to other activities:
 - ISO 15926-2/EPISTLE data model
 - IEEE Standard Upper Ontology (SUO) work
- Schedule more time for PWI at meeting in Portugal?

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Further information

- Available on the IIDEAS web site:
 - www.iso18876.org

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